



Purpose of the Endangered Species Act

"The purposes of this Act are to provide a means whereby the ecosystems upon which endangered species and threatened species depend may be conserved..."

ENDANGERED SPECIES ACT OF 1973

AN ACT To provide for the conservation of endangered and threatened species of fish, wildlife, and plants, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That this Act may be cited as the 'Endangered Species Act of 1973''.



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Two Ways a Species Gets Listed

- 1. Public petition submission
- 2. USFWS internal annual review



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Listing Petition Process

Petition submission: Anyone!

We evaluate:

 Adequacy and reliability of information



 Apply a "reasonable person" standard



What's Next?

- If a positive petition finding (90-day finding), move onto a status review (12-month finding)
- Status review evaluates all available scientific and commercial data
- Includes examination
 of the 5 listing factors
 identified in the
 Endangered Species Act





Listing Factors

- A. Present or threatened destruction, modification, or curtailment of habitat or range
- B. Overuse for commercial, recreational, scientific or educational purposes
- C. Disease or predation
- D. Inadequacy of existing regulatory mechanisms
- E. Other natural or manmade factors affecting the species continued existence



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Listing Factors

(continued)

A species need only meet one of the listing criteria to be considered for listing



Status Review Outcomes

Warranted - Listing proposal drafted; species is listed as *proposed* until final rule enacted.

Warranted, but precluded - Listing is warranted, but precluded by higher priority actions; species a *candidate*

Not warranted - Review does not support a listing action; species not a candidate

Sage-grouse Petition Summary

1999 – 2003: FWS received 8 petitions



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- 1999 Columbia Basin populations
- 2001 Bi-State (Mono Basin) population (and 2005)
- 2002 Western subspecies
- 2002 Greater sage-grouse range-wide
- 2002 Eastern subspecies
- 2003 Greater sage-grouse range-wide (2)



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Results:

Columbia Basin DPS

- Warranted but precluded
- Designated a <u>Candidate</u>

3 range-wide petitions

- Combined into one finding
- Not Warranted

Remaining petitions determined to lack sufficient information to warrant further action



Challenges to findings

Bi-State

 Settlement agreement to conduct new finding



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Eastern/Western subspecies

- Eastern legal challenges dismissed
- Western legal challenges remanded decision

Range-wide

Finding remanded in 2007





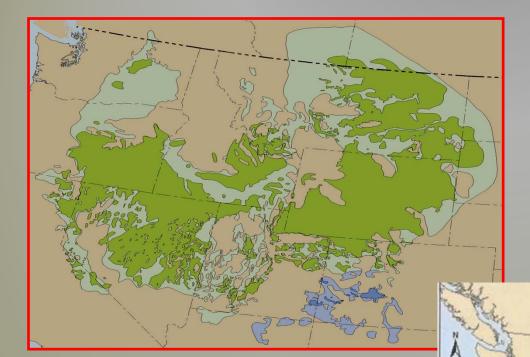
Species Life History

- Sagebrush obligate
- Long-lived, low reproductive rates
- Can be migratory
- High fidelity to seasonal habitats



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Landscape scale species



Historic and current range

Current sage-grouse distribution and density

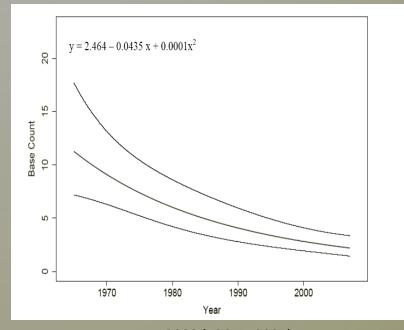


Population Trends

Estimated decline of **80 to 90** % from pre-settlement numbers?

Decline of 30% since 1985





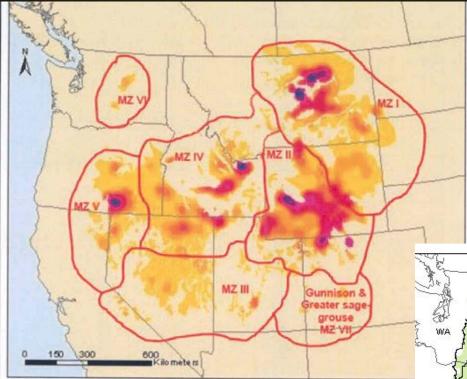
WAFWA 2008 (1965 – 2007)



Biological Background Habitat

- Sagebrush is essential
 - Not all are equal habitat for grouse
 - Also need the healthy understory
- Long restoration times: 20 to > 100 years depending on species and conditions
- Fire kills sagebrush
- Seed banks do not persist
- We don't know how to restore or "fix" it



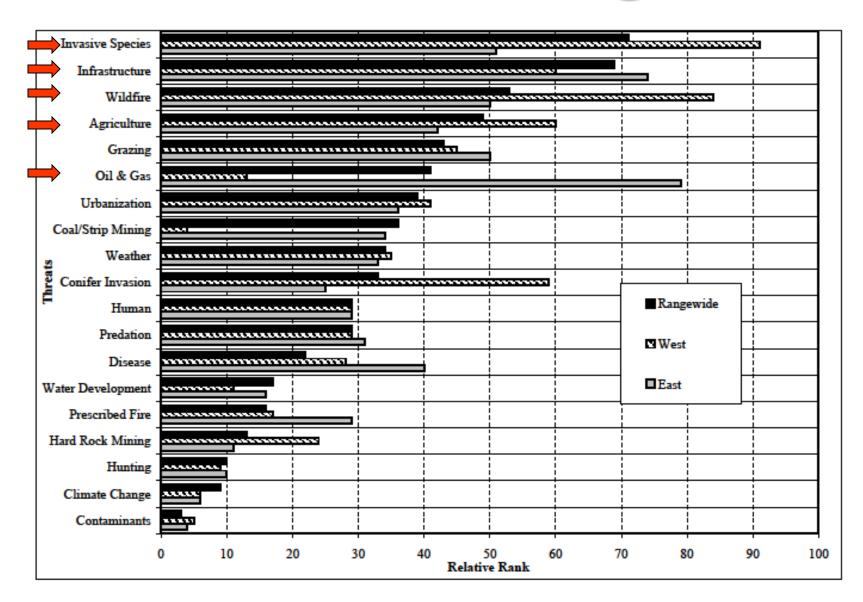


Sage-grouse distribution

Percent landcover in sagebrush



2005 Finding





Changes since 2005

- Threats identified in 2005 remain but with additional new threats;
- Scale and intensity of 2005 threats have increased and are exacerbated by the synergistic effects;
- Much clearer understanding of how threats affect viability;
- Regulatory mechanisms on federal lands (60% of the extant habitat) have not been effective.



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Primary Threat Habitat Fragmentation

Energy Development

NE WY: 79% decline in 12 years
 No affect with ≤ 1 well pad per sq mi
 Most fields 16-128 pads per sq mi

Invasive Species/Fire

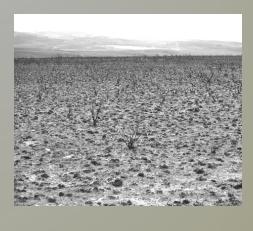
- Historic fire cycle 200-350 years; now 70 to 158 years
- In Great Basin: 27% of sage-grouse habitat has burned since 1980

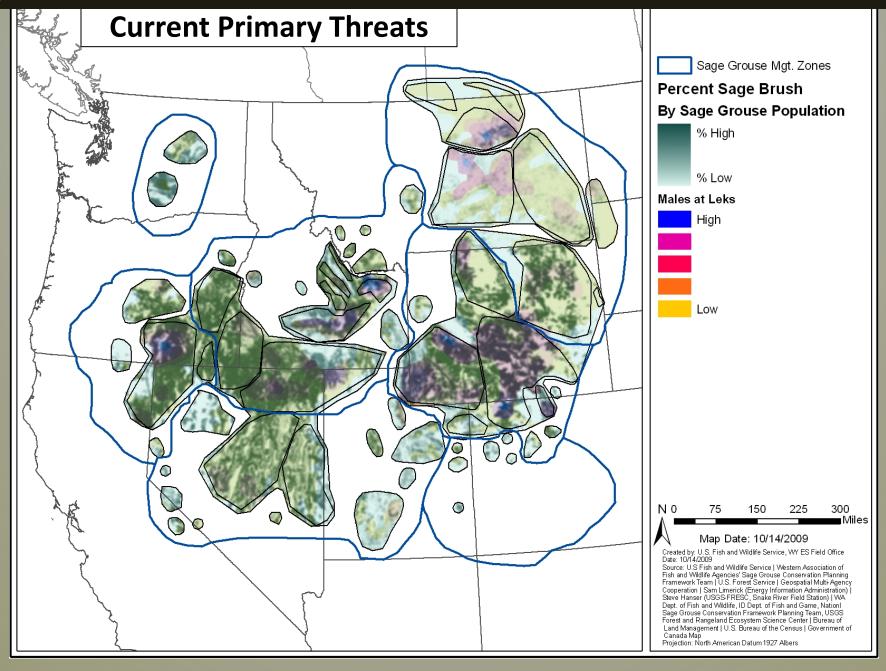
Agriculture

19 % of SB in MT lost to AG

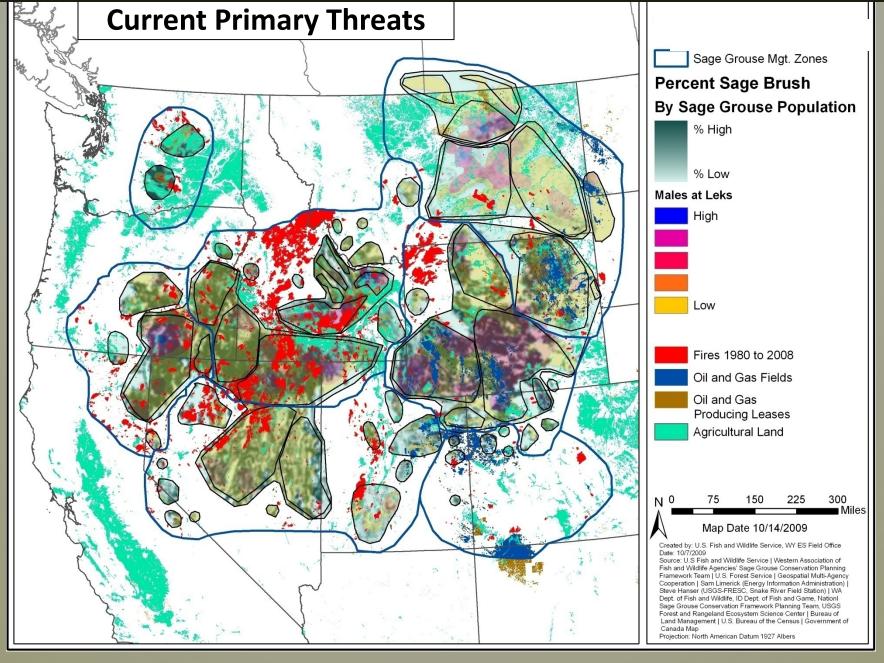
° 84 % of SB in MT affected



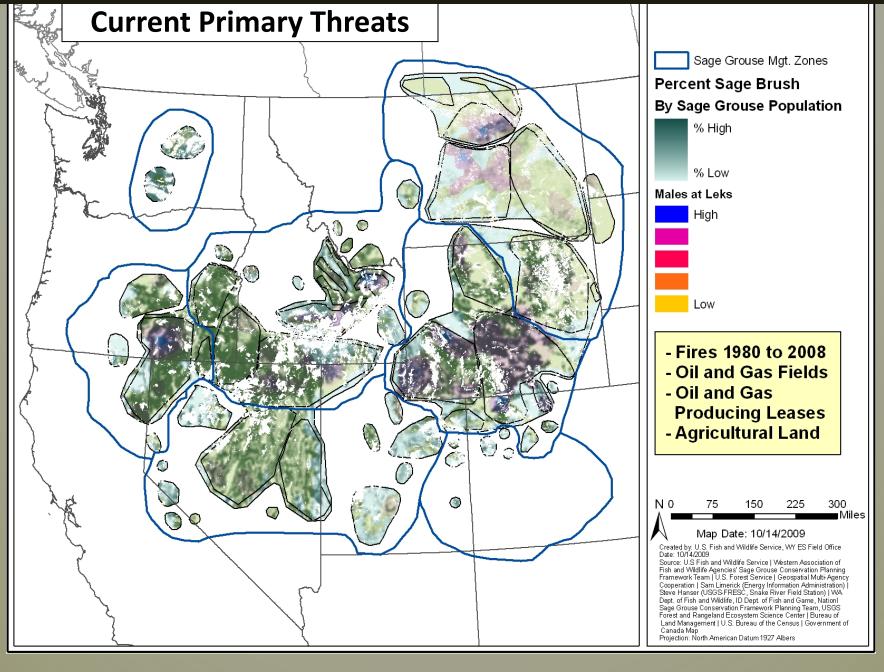




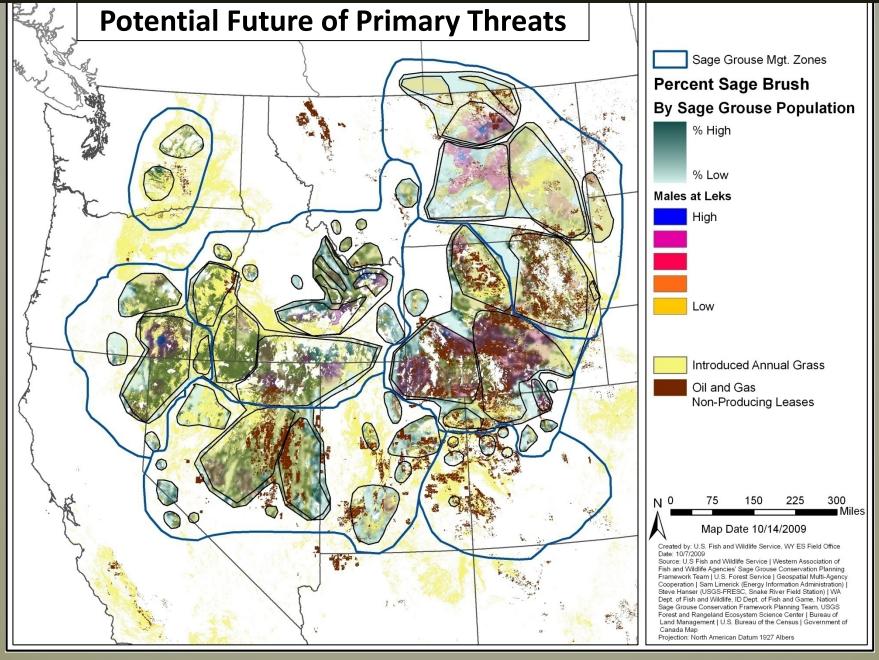


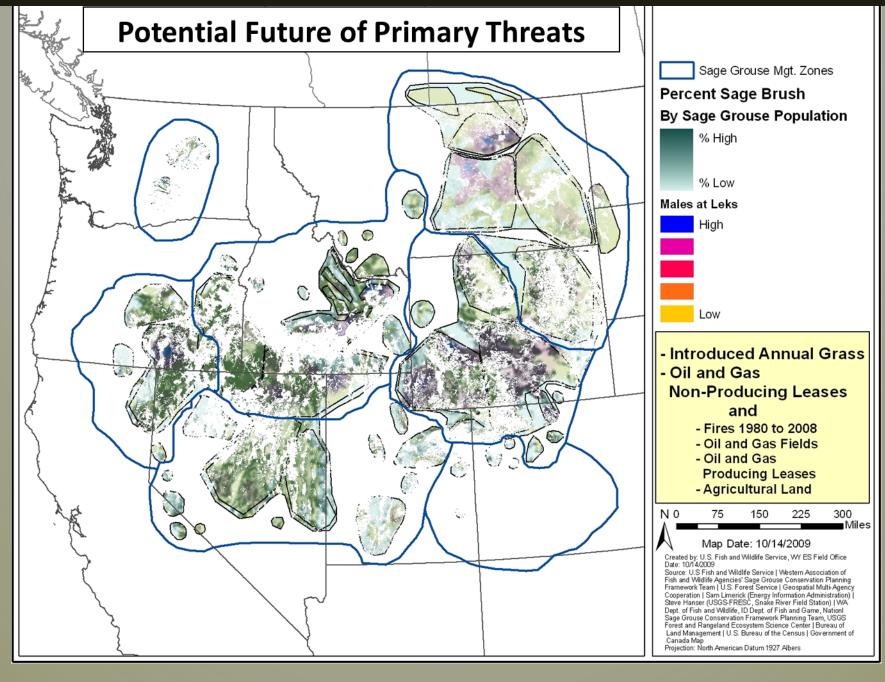






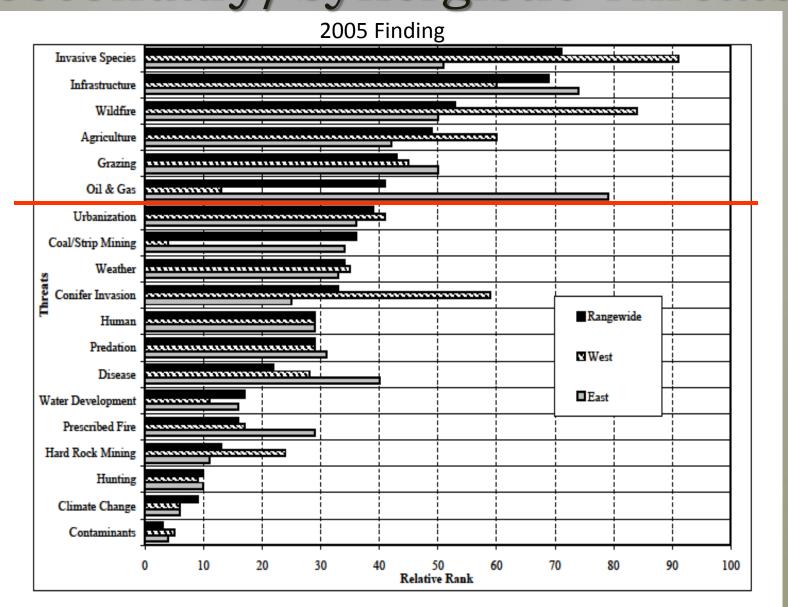


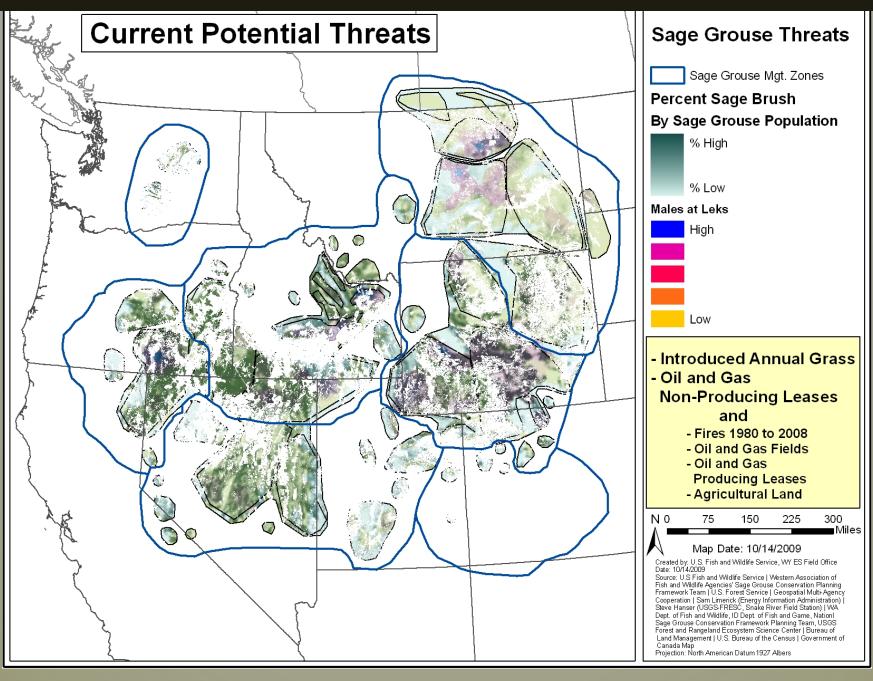


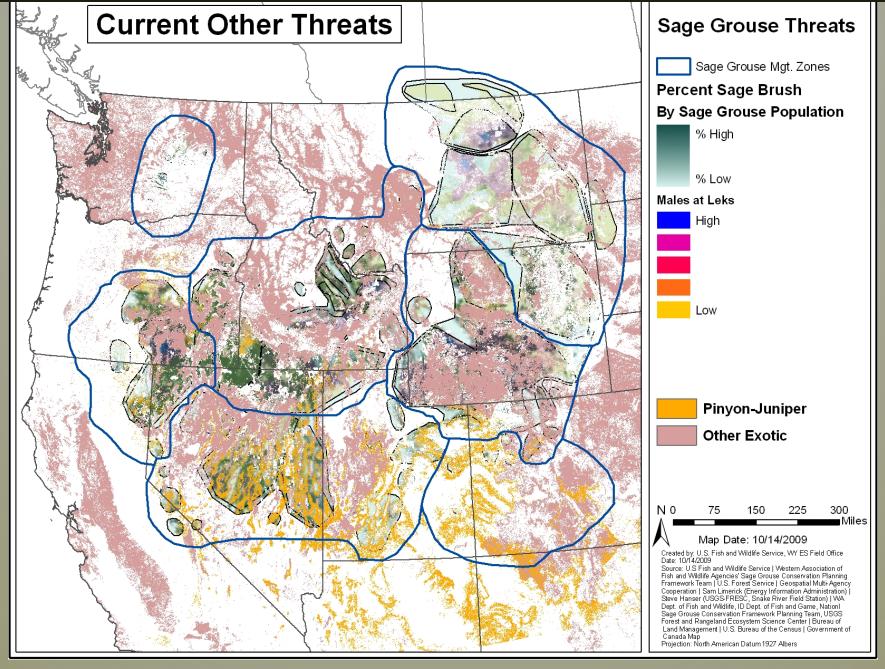




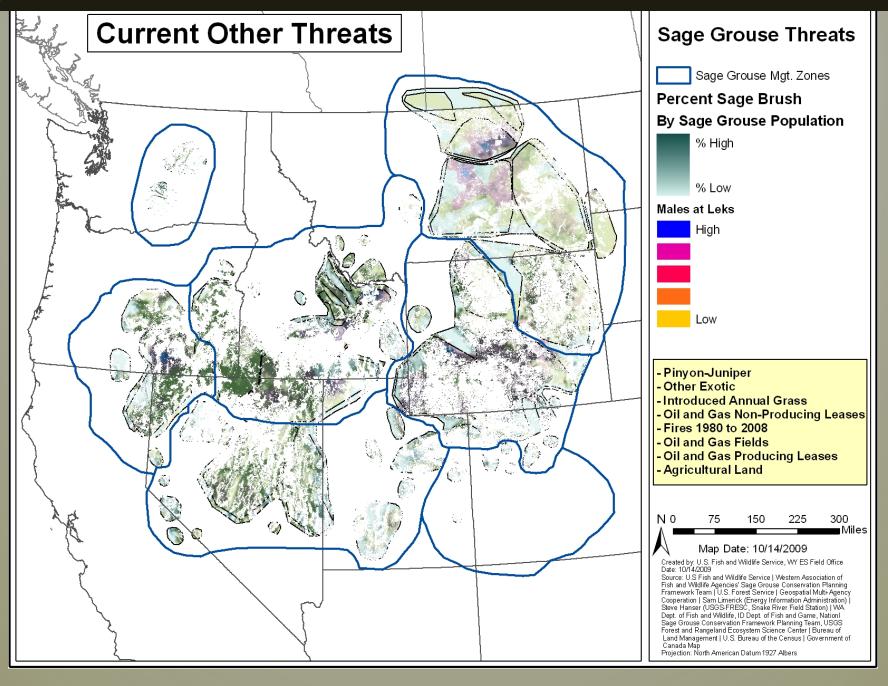
Secondary/Synergistic Threats













Regulatory Mechanisms

Considered all mechanisms including:

- Federal
- State
- County
- Other conservation efforts



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Regulatory Mechanisms

Current regulatory mechanisms are inadequate to protect sage-grouse habitats





Greater Sage-grouse Finding March 23, 2010

- Greater Sage-grouse is warranted but precluded; is designated a Candidate species under ESA;
- The Bi-State population is a DPS; warranted but precluded
- Primary threats
 - Habitat destruction/modification
 - Lack of sufficient regulatory mechanisms.



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Expeditious Progress

A finding of "Warranted but Precluded" can only be made when:

- 1. There are higher priority proposed rules that preclude us from issuing a proposed rule at the time of our finding; **AND**
- 2.Expeditious progress is being made to add qualified species to the list.





"Mega-petitions"

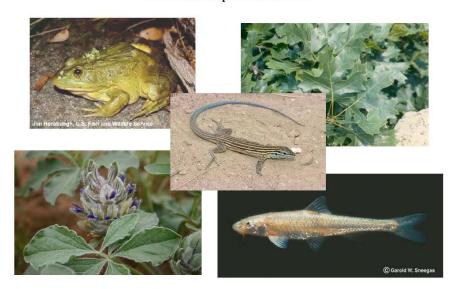
In 2007 we received
Petitions to list **207**species in our
Mountain-Prairie Region

...and **475** species in our Southwest Region





In the Office of Endangered Species U.S. Fish and Wildlife Service United States Department of Interior



A Petition to List All Critically Imperiled or Imperiled Species in the Southwest United States as Threatened or Endangered Under the Endangered Species Act, 16 U.S.C. §§ 1531 et seq.

June 18, 2007

Petitioner: Forest Guardians, 312 Montezuma Ave. Suite A, Santa Fe, New Mexico 87501, (505) 988-9126

Petition Prepared by: Nicole J. Rosmarino, Ph.D. & James J. Tutchton, Esq.

MDL Settlement May 10, 2011

Prompted by litigation on failure to make "expeditious progress" on candidate species



REQUIRES us to make a finding by September **2016** for all candidates (251)

Sage-grouse:

- Bi-State Population September 2013
- Greater Sage-grouse and any other DPSs -September 2015

Greater Sage-grouse Conservation Objects Report



All photos credit James Yule



Purpose of the COT

To define the degree to which threats need to be ameliorated to conserve the sage-grouse so that it is no longer in danger of extinction or likely to become in danger of extinction by 2015 for the Greater sage-grouse range-wide.



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History of the COT

- Governor's sage-grouse task force provided list of actions by Secretary
- Team of state and FWS representatives appointed in March 2012
- Draft report completed on August 1, 2012
- Peer review completed
- Report revised and final report completed in March, 2013



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General Conservation Objectives

- Stop population declines and habitat loss
- Implement targeted habitat management and restoration
- Develop and implement state and federal conservation strategies and incentive-based conservation actions and regulatory mechanisms



General Conservation Objectives

 Develop and implement proactive, voluntary conservation actions

 Develop and implement monitoring plans

 Prioritize, fund and implement research to address uncertainties



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Threat Amelioration

- Objectives focus on each specific habitat threat
- Specific goals tied to 2006 WAFWA Conservation Strategy:
 - ★ Stable to increasing long-term population trends



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 Conservation Objective: Retain and restore healthy native sagebrush plant communities within the range of sagegrouse.

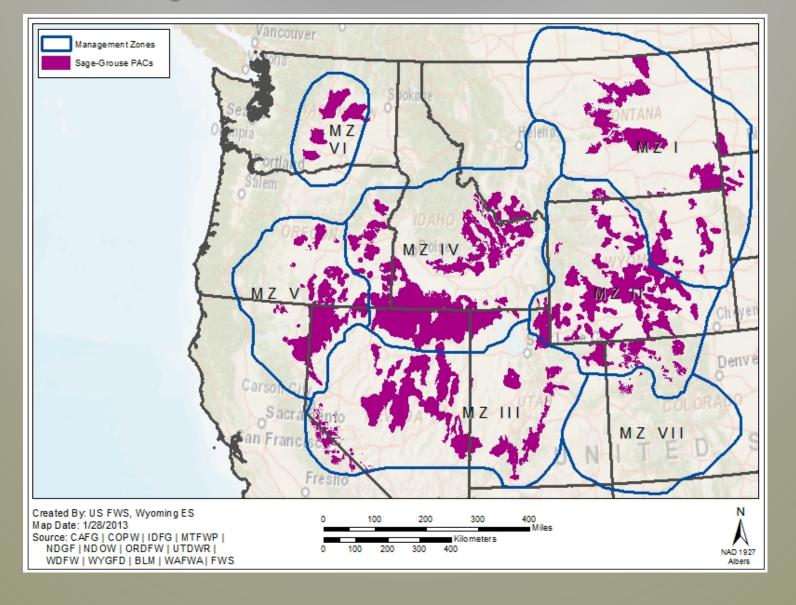
Conservation Measures:

- Restrict or contain fire within the normal range of fire activity (assuming a healthy native perennial sagebrush community), including size and frequency, as defined by the best available science.
- Eliminate intentional fires in sagebrush habitats, including prescribed burning of breeding and winter habitats.





Priority Areas for Conservation





Application

- Need to achieve the conservation objective
 - May just be a plan in place by the listing determination date
 - Must meet PECE, or its intent

 How should make sense based on local conditions and legal or cultural parameters.

Photo Mark Gocke



Application

- Discussion of some specific conservation objectives also provides options for achieving the objective
 - Not mandatory, but provided as examples of what could be done

Applies to habitats inside and outside

PACs







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Questions?